

# **Attachment D, Changes to Solicitation and Specifications**

## **Changes/Updates to Redmond Fire Department IFB 10189-10/MWS Version 1, (3.29.2010)**

The following are changes as the result of discussion during the Pre-Bid Meeting on Tuesday, March 23, 2010. All changes below are incorporated into the solicitation document, specifications (Attachment B), pricing sheet and other referenced documents.

All corrections to the specification will show a ~~striketrough~~ showing the deleted information followed by an underline with the correction. Where verbiage was added it will be indicated only by the underline. Basic updates appear below.

### **Solicitation:**

Performance Bond (as noted on Bid Pricing Submittal Sheet): Delete. Performance bond is not required.

Note that the Kick-off/Preproduction meeting WILL be held at the City of Redmond

Bidders must guarantee availability of manufacturer's and local representative's service and product support within one (1) hour after call by City of Redmond representative. Discuss how your firm will meet this requirement. Successful bidder will provide contact name and number.

### **Technical Specifications, Attachment B,**

The bidder will supply the following documents: component list, amp draw report and turning analysis to include curb to curb, inside turn and wall to wall specifications. The minimums radii shall be as follows: 29' 5" curb to curb, 34' 5" wall to wall and 15' 3" inside turn. Touch up paint shall also be provided.

All Vehicle Data Recorder diagnostic software and hardware will be supplied by the awarded bidder.

The pumper shall be outfitted with a Stability Control System as specified in 4.13.1.2 of NFPA 1901.

All Stability Control System diagnostic software and hardware shall be supplied by the awarded bidder.

The dimensions of the rear compartment in our current engines are (...at the door):  
34.5" wide x 37.25" high x 28.25" deep

Frontal airbags and roll over driver/passengers protection systems shall be installed. Airbag control system diagnostic software and hardware shall be provided.

Gauges on the pump panel which duplicate information provided on the multi function display shall be deleted from consideration provided that the information is contained on a main function screen.

An Apollo brand check valve shall be installed in the front intake at the lowest point of the plumbing to the pump.

All Weldon lights will be changed to Whelen 600 Series Super-LED, chrome trim, clear lens, split white and red, high/low.

The monitor base for the TFT master stream shall have a 5" Storz inlet.

A fire pump intake relief valve will be installed according to NFPA standards.

The configuration of the ladder rack shall be discussed at the pre-construction meeting. For bidding purposes consider only the equipment requested. The Fire Department will add one or more devices to the ladder rack in the form of a 6' rubbish hook or pike pole and needs room to accomplish this.

The bidder will provide mud flaps for all wheels/tires.

Frame cross members will be covered under the frame warranty.

1.3-1 An Allison EVS-4000, ~~5~~ 6-speed electric push button automatic transmission with retarder shall be provided. Transmission fluid shall be the TransSynd type. Provide information on manufacturer's warranty.

1.7-3 All brakes shall be anti lock and diagnostic/repair software with the interface box for the system shall be provided.

1.11-2 The tank shall be constructed of 12/14 gauge, hot rolled, pickled in oil steel or stainless steel and equipped with a swash partition and vent.

1.13-1 The line voltage electrical system shall comply to NFPA 1901 Standards and with the applicable section of the National Electric Code #70 Standards.

1.13-2 The alternator shall be Leese Neville (up to 240 amps-or Niehoff above 240 amps) with external voltage regulator ~~sufficient for anticipated load plus 25%.~~ The alternators shall have a minimum output at idle to meet the minimum continuous electrical load as defined in NFPA 1901 13.3.3, at 200 F ambient temperatures within the engine compartment, and shall be provided with full automatic regulation. This provision supports our desire to not have a load manager. The electrical system shall be a multiplex type.

1.13-22 ***INVERTER CHARGER***

A Magnum MS 2812 inverter/charger shall be provided. There shall be two externally mounted duplex plugs. One each, left and right side of the cab exterior. There shall be two Havis Shields Kwik Raze telescoping scene lights model number KR-SBP-536-W/2-NCW mounted to the rear of each side of the cab positioned as far outboard as possible while still protected by the rear wall of the cab.

2.1-1 Cab shall be 4-man style raised roof full tilt design. Provide a copy of the manufacturer's warranty for the cab. The cab shall be provided with 4 NFPA compliant "helmet holders".

2.3-3 Retractable tinted automotive safety type door glass shall be provided in all four (4) doors. The windows shall be operated by electric motors controlled within easy reach of each seat position with master control of all 4 windows available within easy reach of the driver.

2.4-3 Officer's seat shall be a Seats Incorporated 911 with air ride suspension and SCBA holder. The SCBA holders shall not be operated by a strap release.

2.4-4 The rear section shall contain two (2) rear facing 911 high back seats with SCBA holder and cover for SCBA. The SCBA holders shall not be operated by a strap release.

2.6-13 A ½ - inch decorative molding or pin striping shall be provided across the front and along both sides of the cab just below the windshield level between the two colors.

2.6-25 The cab tilt system shall have an automatic locking system that engages when the cab is in the full up position. A ~~manual release~~ remote cab stand release shall also be provided.

3.1-5 Tailboard area, running boards, front face of battery boxes, rear of 4-man cab, front face of operator's stand, front face of side compartments, gravel pan behind

front bumper, shall be constructed of 3/16" aluminum diamondette, adequately reinforced. Where required on the rear of the apparatus, the diamondette shall be replaced by NFPA chevron striping safety yellow and red in color.

- 3.2-5 COMPARTMENT E: There shall be two (2) "tube-like" SCBA bottle compartments installed at the right side rear wheel well, one (1) forward of the right side rear wheel that will accommodate a 2 ½ gallon pressurized water fire extinguisher and one (1) behind the right side rear wheel that will accommodate an MSA 60 minute high pressure carbon-wrapped stealth bottle. Compartment doors shall be stainless steel or aluminum and must seal out dirt and water.
- 3.2-12 All compartments shall have automatic LED lights installed to include the EMS compartments in the cab. Additional lights shall be installed under compartment shelves (except roll-out shelves).
- 4.1-20/21 The air inlet and outlet described in these line items shall be a type D ¼" brass industrial quick coupler.
- 4.2-3 Fire pump shall be a single stage Hale Q-Max, 2250 GPM with 1500 GPM rating, mid-ship type with all cast housings and manifolds. The fire pump shall have mechanical seals.
- 4.3-12 Piping from the pump to the crosslay shall be 2-1/2" to the discharges. Discharge shall extend throughout the body below the pre-connect hose bed with one (1) 1-1/2" on each side at the body. Valves shall be 2" 2 ½" swing-out valves 1/4 turn full flow with all controls locking type on panel side of body. The piping shall terminate with a 2 ½" male thread which shall be chrome to match the other discharges to which the bidder shall furnish a 2 ½" to 1 ½" chrome adaptor and a 30 degree downturn.
- 4.3-22 Minimum 3" piping shall be provided for the deck mounted monitor with valve control on pump panel. A bypass pipe around the foam manifold shall be provided to ensure maximum flow to the deck pipe. The pipe shall also have a TFT 18" Extend-a-Gun provided with and adaptor to fit the TFT monitor described in 6.1.
- 4.4-1 An electronic direct injection foam system shall be provided as the means for the proportioning of foam concentrate into the water stream. This system shall be capable of handling Class "A" foam concentrates and be capable of filling the foam tank from buckets on the ground.
- 5.3-4 Four- (4) cornering lights shall be Whelen LED white in color:
- One- (1) each side below ~~linear strobes on~~ the front fender area
  - One- (1) each side below ~~linear strobes at~~ rear wheel area

- 5.4-9 ~~The linear strobes specified in sections 5.4—6 and 5.4—7 shall illuminate so as to create an alternating “X” pattern.~~  
The emergency lights on the rear of the apparatus shall utilize the “double flash 150 flash pattern”.
- 6.2-8 One (1) Whelen® Model ~~295HFSQ1~~ 295SLSA1, hands free Siren Amplifier, Silent Siren test and Speaker test option, siren shall also incorporate a HI/LO function.
- 6.2-9 Two (2) 100 watt Whelen model SA-122-FMP siren speakers shall be recessed mounted in the left side of the front bumper.
- 6.4-4 Electronic diagnostic media and interface for engine, transmission, brakes, multiplex system, emergency lighting and airbags ~~where said media is available,~~ shall be provided.

Meetings:

- Pre-bid meeting at City of Redmond
- Kick-off/Preproduction Meeting at City of Redmond
- Production meeting – Mid Construction at builder’s facility
- Final Inspection at builder’s facility
- Delivery and Inspection at City of Redmond
- Acceptance Testing at City of Redmond